

Patent Abstracts of Japan

PUBLICATION NUMBER : 08279357
PUBLICATION DATE : 22-10-96

APPLICATION DATE : 05-04-95
APPLICATION NUMBER : 07080214

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INT.CL. : H01M 4/58 H01M 4/02 H01M 10/40

TITLE : LITHIUM SECONDARY BATTERY AND ITS MANUFACTURE

ABSTRACT : PURPOSE: To improve a cycle characteristic by restraining reaction between a lithium-transition metal composite oxide and electrolyte on a positive electrode surface of a lithium secondary battery, and restraining decomposition of the electrolyte.

CONSTITUTION: Metal selected from a group composed of lead, molybdenum, bismuth, cadmium, thallium, tin, copper, indium, germanium, tungsten, antimony, titanium, rhenium, ruthenium, osmium, rhodium, iridium, palladium, platinum, silver, gold and mercury, is stuck on a surface of a lithium transition metal composite oxide being a positive electrode material. This sticking is performed by a CVD, an evaporation method, a sputtering method or the like.

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